PATENT ATTORNEY DOCKET NO.: MBM1420



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Mills and Jandt

Art Unit:

2885

Serial No.:

09/509,433

Examiner:

I. Negron

Filed:

May 30, 2000

Confirmation No.

9540

Title:

OPTICAL IRRADIATION DEVICE HAVING LED AND HEAT PIPE

(Amended)

MAIL STOP RCE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application these document listed on the attached Form PTO 1449A. The Examiner is requested to make these documents of record.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on March 29, 2007, in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Karen LePari

In re Application of Mills and Jandt

Application No.: 09/509,433

Filed: May 30, 2000

Page 2

PATENT Attorney Docket No.: MBM1420

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed before the mailing of a first Office Action on the merits. Check number 585227 in the amount of \$395.00 is enclosed as payment for the Request for Continued Examination fee. If any additional fees are required, authorization is hereby given to charge the amount of any such fee, or credit any overpayment, to Deposit Account No. <u>07-1896</u> referencing the above-identified attorney docket number. A copy of the Transmittal Sheet is enclosed.

Respectfully submitted,

Date: March 29, 2007

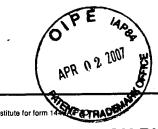
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Co.	mplete if Known		
Application Number 09/509,433			
Filing Date	July 7, 2005		
First Named Inventor	Robin Walter Mills		
Art Unit	2885		
Examiner Name	I. Negron		
Attorney Docket Number	MBM1420		

(use as many sheets as necessary)
Sheet ONE of THREE

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number – Kind Code ² (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5474449	1995-12-12	Loge et al.	
		4822335	1989-04-18	Kawai et al.	
		5169632	1992-12-08	Duell et al.	

		F	OREIGN PATEN	T DOCUMENTS	-	
Examiner Cite No.1		Foreign Patent Document Country Code ³ -Number ⁴ – Kind Code ³ (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	τ°
	1	DE 295 11 927 U1	1997-02-02	THERA Patent GmbH & Co.		<u> </u>
	2 .	EP 0 116 405 A1	1984-08-22	Co-Steel International Limited	·····	
	3	EP 0 266 038 B1	1991-10-23	Kureha Kagaku Kogyo Kabushiki Kaisha	ne van namen n	
	4	EP 0 320 080 B1	1993-08-04	Omega Universal Limited		↓_
	5	EP 0 672 435 A1	1995-09-20	Amron Ltd.		
	6	EP 0 678 282 A2	1995-10-25	Minnesota Mining & Manufacturing Co.		ļ
	7	EP 0 755 662 A1	1997-01-29	THERA Patent GmbH & Co.		┼
	8	EP 0 780 103 A2	1997-06-25	Heraeus Kulzer GmbH		┼
	9	CA 2 190 225	1997-06-23	Canada		┼
	10	EP 0 879 582 A2	1998-11-25	EKA Gesellschaft		╁
	11	GB 2 212 010 A	1989-07-12	Amcor Ltd.		╁
	12	GB 2 329 756 A	1999-03-31	University of Bristol	·	╁
	. 13	EP 709 698	1996-05-01	Demetron Research Corp.		
	14	JP 8141001 A	1996-06-04	Osada Res Inst Ltd		<u> </u>
	15	JP 8194786 A	1997-07-30	ABO SYS KK		1_
	16	JP 51-42607	1976-04-10	Dainippon Printing Co. Ltd.		1
	17	WO 00/13608 A1	2000-03-16	Akeda Dental A/S		<u> </u>
	18	WO 01/14012 A1	2001-03-01	Thomas Russell		1
	19	WO 00/15296 A1	2000-03-23	Light Sciences Limited Partnership		
	20	WO 00/02491 A1	2000-01-20	Harth et al.		
	21	WO 83/01311 A1	1983-04-14	Quentron Optics Pty. Ltd.		<u>L</u>
	22	WO 95/07731 A1	1995-03-23	EFOS Canada Inc.		
	23	WO 99/35995 A1	1999-07-22	Kerr Coporation		
	24	WO 84/04463 A1	1984-11-22	MTA Központi Fizikai Kutato Intezete		
***************************************	25	WO 92/02275 A1	1992-02-20	Iris Roller		
	26	WO 93/09847 A1	1993-05-27	Erik Larsen		
	27	WO 93/21842 A1	1993-11-11	Quadra Logic Technologies, Inc.		
	28	WO 95/21642 A1	1995-07-27	Biolight Patent Holding AB	· (p.)	†
	29	WO 95/19810 A1	1995-10-05	Maef S.R.I.		†

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				Application Number		09/509,433		
INFORMATION DISCLOSURE					FI	ling Date	July 7, 2005	
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					Art Unit Examiner Name		2885 I. Negron	
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	Sheet	TWO	of	THREE	At	torney Docket Number	MBM1420	
		1				Nulite Systems Inte	rnational	l
	30	WO 97/3655	2 Δ1	1997-10-09	a	Pty. Ltd.	mational	
	31	WO 97/3772	·····	1997-10-10		Bagraev et al.		
	32	WO 97/4627		1997-12-1		Biolight Patent Hole	ding AB	
	33	WO 97/4628	0 A1	1997-12-1	1	Biolight Patent Hole		
						Minnesota Mining &		
	34	WO 98/0313	1 A1	1998-01-29	9	Manufacturing Co.		i !
***************************************				ALL ALTERNATION IN CONTRACTOR AND ADMINISTRATION OF THE PROPERTY OF THE PROPER		Light Sciences Limited		
	35	WO 98/0431	7 A1	1998-02-0	5	Partnership Asah Medico		
	36	WO 99/1132	4 A1	1999-03-1	1			
						Light Sciences Lim	ited	
	37	WO 99/2034		1999-04-29		Partnership		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	38	WO 99/0907	<u> 1 A1</u>	1999-02-2	5	Ultradent Products		
						Filterwerk Mann/Hu	ımmel	
	29	WO 00/0146	***************************************			GmbH	****	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	40	GB 2 218 63		1989-11-2		Rhys ap Delwyn Phillips		
	41	JP 6285508	************	1994-10-1		Kawaski Steel Co.		
w	42	JP 7163863		1995-06-2		Minnesota Mining & Mfg.		
	43	WO 00/1360	8 A1	2000-03-10	<u> </u>	Akeda Dental	•	
						OSRAM Opto Sem		
	l	DE 400 40 0			_	conductors GmbH	a U0.	
	44	DE 100 10 6	38 A	1 2000-03-0	3	oHG		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue Number(s), publisher, city and/or country where published.	T²
	1	LumiLeds Lighting LLC, <u>Lumen Maintenance of White Luxeon™ Power Light Sources</u> , Application Brief AB07, LumiLeds Lighting, US LLC	
	2	LumiLeds Lighting LLC, <u>Application Breif AB20-5, replaces AN1149-5, Secondary Optics Design Considerations for Super Flux LEDs, Copyright@ 2002 LumiLeds Lighting, Publication No. AB20-5</u>	
	3	BURGESS, JOHN et al., An Evaluation of Four Light-curing Units Comparing Soft and Hard Curing, Pract. Periodont. Aesthet. Dent. 11(1), 125-132, 1999	
·	4	FELTZER, A.J. et al., Influence of Light Intensity on Polymerization Shrinkage and Integrity of Restoration-cavity Interface, Eur. J. Oral Sciences, 103, 322-326, 1995	
	5	KANCA, III, JOHN et al., <u>Pulse Activation:Reducing Resin-Based Composite Contraction Stresses at the Enamel Cavosurface Margins</u> , Am. J. of Dentistry, 12(3), 107-112, 1999	-
	6	KATO, HIROMASA, Relationship Between the Velocity of Polymerization and Adaption to Dentin Cavity Wall of Light-Cured Composite, Dental Materials J. 6(1), 32-37, 1987	
	7	KORAN, PETER et al., Effect of Sequential Versus Continuous Irradiation of a Light-Cured Resin Composite on Shrinkage, Viscosity, Adhesion, and Degree of Polymerization, Am. J. of Dentistry, 11, No. 1, 17-22, 1998	
	8	MAYES, JOE H., Curing Lights; An Overview, Ormco, vol. 9, No. 2, 2000, pg. 15-17	

Complete if Known **Application Number** 09/509,433 INFORMATION DISCLOSURE July 7, 2005 **Filing Date** STATEMENT BY APPLICANT Robin Walter Mills **First Named Inventor** Art Unit 2885 Examiner Name I. Negron (use as many sheets as necessary) Sheet of | THREE THREE Attorney Docket Number MBM1420 MEHL, A. et al., Physical Properties and Gap Formation of Light-Cured Composites With and Without 'Softstart-Polymerization', J of Dentistry, 25, 321-9 330, 1997 SAKAGUCHI, RONALD L. et al., Recuded Light Energy Density Decreases Post-Gel Contraction While Maintaining Degree of Conversion in Composites, 10 J. of Dentistry, 26, 695-700, 1998 SCHLAGER, KENNETH J., et al., An LED-Array Light Source for Medical Therapy, SPIE Vol. 1892, Medical Lasers and Systems II, p. 26-35, 1993 SWIFT JR., EDWARD et al., Contemporary Photocuring Issues, Part II, J. Esthetic Dentistry, 12(1), 50-57 2000 TARLE, Z. et al., The Effect of the Photopolymerization Method on the Quality of Composite Resin Samples, J. of Oral Rehab, 25, 436-442, 1998 Date Examiner

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	eference considered, whether or not citation is in conform		
and not considered. Inc	clude copy of this form with next communication to app	olicant. ¹ Applicant's unique citati	on designation number (optional). ² See
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Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English Language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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